

Document ID Number: 2125

**AR: Montrose Settlements Restoration Program
Administrative Record**

Title: Statement of Work - Fish Collection/Angler
Survey. IEC. Contract No. 50-DGNC-2-
90008. Task Order No. TO 004

ATTACHMENT 1

CONTRACT NO. 50-DGNC-2-90008

TASK ORDER NO. TO 004

(Statement of Work Titled
"Montrose Fish Collection Analysis and "
Case management dated July 10, 2002)

NOAA DAMAGE ASSESSMENT CENTER
TASK ORDER STATEMENT OF WORK COVER SHEET

NOAA CONTRACT NO.: 50-DGNC-2-90008

CONTRACTOR: INDUSTRIAL ECONOMICS, INC (IEC)

TASK ORDER NO: T0 004

REQUISITION NO: NC-NR3000-2-00134

ACCOUNTING CLASSIFICATION: 2/NR3000/8K3EBR1

TASK ORDER

TITLE: Montrose Fish Collection Analysis and Case Management

SITE/CASE DESIGNATION: Southern California Restoration Implementation - 8K3EBR1

TOTAL LABOR HOURS: 5,004

PERIOD OF PERFORMANCE: From Effective Date through June 30, 2003

CONTRACTING OFFICER:

Robert E. Ransom (301) 713-0820 ext. 108
U.S. Department of Commerce, NOAA
Office of Finance and Administration
1305 East-West Highway, Station #7544
Silver Spring, MD 20910

CONTRACTING OFFICER'S
TECHNICAL REPRESENTATIVE:

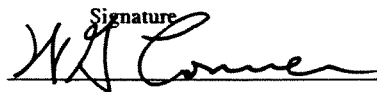
William G. Conner, Chief, NOAA Damage Assessment
Center, (301) 713-3038 ext. 190
U.S. Department of Commerce
National Ocean Service, ORCAx1
1305 East-West Highway, Station #10218
Silver Spring, MD 20910

TASK ORDER MANAGER:

Greg Baker, MS-999 Tel: (650) 329-1048
U.S. Geological Survey
345 Middlefield Road
Menlo Park, CA 94025

APPROVALS

COTR:

Signature


Date

7/15/02

TASK ORDER MANAGER:



7/15/02

The effective date is shown as the Contracting Officer's signature on the SF30 unless otherwise specified.

STATEMENT OF WORK

MONTROSE SETTLEMENTS RESTORATION PROGRAM Fish Collection and Analysis and Case Management Activities

7/10/02

Background

From the late 1940s to the early 1970s, DDTs and PCBs were discharged into the ocean near Los Angeles. More than 100 tons of these persistent chemicals remain in the marine environment and continue to injure birds and impair fishing.

In 1990, the U.S. Department of Justice (DOJ) and the California Attorney General filed a lawsuit under the federal Superfund law on behalf of the Natural Resource Trustees (NOAA, U.S. Fish & Wildlife Service, National Park Service, California Department of Fish and Game, California Department of Parks and Recreation, and California State Lands Commission), alleging that a number of defendants were responsible for releasing DDTs and PCBs and other hazardous substances into the environment. The lawsuit charged that the DDTs and PCBs injured natural resources, including fish and wildlife that live in and around coastal waters in Southern California.

The state and federal governments settled the final remaining legal claims in 2000. A total of \$140 million in damages have been paid under four separate settlement agreements. The agreements provide that the Trustees may use approximately \$30 million of the settlement funds for restoration of natural resources harmed by releases of DDTs and PCBs off the coast of Southern California (U.S. EPA received a separate share of the overall settlement for remediation and institutional controls to reduce exposure to DDTs and PCBs).

The Trustees have initiated the restoration planning process. They set up and are staffing the Montrose Settlements Restoration Program (MSRP) to administer the restoration efforts. They issued a Public Scoping Document on the restoration planning process and publishing a Notice of Intent to prepare an Environmental Impact Statement in the Federal Register. Three public meetings were held and comments solicited from the public during the scoping period, which closed in November 2001.

Objectives of this Task Order

All tasks will be performed under the direction of NOAA in close consultation with the co-Trustees. The overall scope and objectives of this task order are to provide strategic support and proactively advise, facilitate, and respond to requests for actions by the Trustee Council and Program Manager for the Montrose Settlements Restoration Program. More specifically:

1. Plan, initiate, facilitate, coordinate, and manage technical and administrative activities that support restoration planning (including the planning and oversight of field

studies, analytical services, public involvement and outreach, reporting, meetings, and other functions as necessary);

2. Execute specific activities that support restoration planning efforts, including the implementation of a Sampling and Analysis Plan for assessing contamination in marine fish in Southern California and public outreach and education programs, products, and services;
3. Identify, retain, and manage Scientific Review Boards to provide external ad hoc expertise in support of the Montrose restoration efforts.

Standards of Performance

The performance of work under this agreement will support natural resource restoration planning and implementation actions being conducted in accordance with the requirements of CERCLA, NEPA, CEQA, and other applicable federal and state environmental laws, regulations, orders, and policies. Work conducted may be open to critical review by the public and the mass media. Accordingly, all work must meet the highest standards of professional performance and technical rigor. Qualified and experienced professionals shall be utilized to design and perform the services outlined herein. Absolute objectivity must be maintained to ensure that reliable and valid conclusions are reached. Work products, guidance and recommendations, must be clearly documented and supported with relevant technical standards, methods and procedures.

Scope of Services

The Contractor shall perform the activities described below. All work shall be performed under the direction of NOAA, and in close coordination with the MSRP Program Manager and the partner organizations identified.

Activity 1: Preparation of the Task Order Work Plan

The contractor shall commence work immediately to prepare and submit a work plan relative to the scope of work and activities set forth herein. In addition to describing the management and technical approach for all of the activities in this Statement of Work, the submittal will include a proposal/ set of proposals from companies or organizations capable of performing the QA/QC requirements of Activity 3 and capable of managing and conducting the fish collection work described under Activity 4.

The work plan shall be divided into two sections. Section I of the work plan shall include a cover page reflecting the proposed staffing plan, key personnel and schedule of deliverables followed by a concise narrative/description of the planned technical and management approach. Section I should not exceed fifteen pages plus the cover page (staffing plan), and proposals for management and implementation of Activity 4 should be provided as attachments to the Contractor's work plan.

Section II of the work plan shall not be attached to Section I. Section II of the work plan shall include a detailed cost estimate for completing the requirements of this Statement of Work. At a minimum, all cost information shall include a clear breakdown of each element of cost (direct and indirect costs, subcontract/consultant costs and fee).

Finally, the cover letter accompanying the work plan shall address any real or apparent conflicts of interest. Three copies of this work plan shall be submitted within twenty-one (21) days after the effective date of this Task Order.

Section I of the contractor's work plan shall identify prospective subcontractors including their qualifications. The contractor shall pre-screen these subcontractors for availability and potential conflicts of interest. If appropriate subcontractors are not identifiable prior to the submission of the work plan, then a reasonable and realistic budget should be included in Section II along with some explanation of the prospective sources and considerations that will be given toward their identification.

Activity 2. Case Management Support

As requested by the MSRP Program Manager, the contractor shall organize, coordinate, schedule, assign and oversee implementation, and disseminate information among subcontractors, MSRP staff and Trustee Council members, and other parties engaged in restoration planning activities. The contractor shall assist with strategic planning activities and provide administrative support and assistance in the development of documents and maintenance of the administrative record. Work under this activity is limited to those general management responsibilities not directly related to oversight and implementation of Activities 3-7, direct management of which should be included under each respective Activity. The contractor shall recommend in its proposal an approach to meet these objectives.

It is estimated that the Contractor will, under this Activity, be requested to participate in periodic conference calls (on average one per month), and occasional meetings in Southern California (estimated two per year).

Activity 3. Quality Assurance and Quality Control

To ensure that all studies proceed with appropriate quality assurance oversight, the contractor shall ensure that all data generated or otherwise acquired under this task order are of known and usable quality. To that end, the contractor shall be responsible for the following efforts:

Program Quality Assurance Coordination. The Contractor shall ensure that all field and laboratory work follow the requirements of the SAP. The QA coordinator shall also be responsible for coordinating and working closely with the laboratory that is providing chemical analyses to ensure that they follow the Analytical QA Plan.

Quality Assurance Oversight. The QA Coordinator will assist Trustee and EPA staff in resolving any potential areas of concern identified during the oversight and review; conduct technical assessments at each facility generating data; and participate in or conduct field training or audits of sample collection procedures.

Quality Assessment and Data Validation. As requested, the QA coordinator shall verify and validate analytical data generated during the Montrose fish sampling study. The assessment shall meet the standards set by the SAP. The contractor shall be prepared to conduct validation efforts in real time so corrective actions can be taken if warranted. The QA coordinator shall review each final report to ensure that the reports accurately describe and report the methods, standard operating procedures, and underlying data. This shall include preparation of a data validation report that documents the quality of the data.

The contractor shall be responsible for ensuring the effectiveness of the quality assurance program by ensuring that the QA work meets the standards set forth in the SAP.

In its work plan, the contractor shall describe how it intends to fulfill the requirements for this activity.

Activity 4. Fish Collection and Preservation, and Preparation of Report

The Contractor shall: (1) combine the June 2002 MSRP Fish Sampling and Analysis Plan (Exhibit 1) and the EPA Fish-in-Ocean Sampling and Analysis Plan (to be provided), and (2) implement the fish collection and sample preservation provisions of the combined EPA/MSRP Fish Sampling and Analysis Plan (SAP) including all QA/QC procedures, documentation, and oversight. (Note: the laboratory analysis provisions of the SAP are covered separately under Activity 5).

The Contractor shall also provide the following:

1. Combine the June MSRP Fish Sampling and Analysis Plan and the EPA Fish-in-Ocean Sampling Plan into one plan for the purpose of implementation. Products presenting the data from this combined sampling plan should be organized to reflect, to the maximum extent practicable, the goals of each sampling plan such that it is clear which items are solely from the MSRP Fish Sampling and Analysis Plan, which respond to elements solely found within the EPA Fish-in Ocean sampling plan, and which represent data needs shared by both programs.
2. Collect targeted fish species, sizes, and numbers from identified locations as specified in the SAP, and coordinate with appropriate MSRP staff to ensure that fish collection activities meet the requirements of the SAP, and that any deviations from the SAP are pre-approved;
3. Provide QA/QC oversight and coordinate with MSRP staff to ensure that all QA/QC requirements are met;

4. Provide to the MSRP Program Manager a complete list and complete documentation on all samples collected, including documentation of deviations from the specific provisions of the SAP if any;
5. Arrange for equipment and facilities to freeze, transport, and store fish samples in accordance with the provisions of the SAP, and ensure that these arrangements meet the requirements of the QA/QC plan.
6. Ensure that samples are labeled, frozen, transported, and stored in accordance with agreed upon procedures and arrangements, and ensure that Standard Operating Procedures, QA/QC, and chain of custody protocols are followed and documented.

The contractor shall prepare a draft and final report documenting the fish collection efforts and the results.

Activity 5. Laboratory Analysis of Fish Samples

The Contractor shall retain a qualified laboratory to conduct chemical analysis of the fish samples collected and preserved under Activity 4. The Contractor shall be responsible for all sample tracking, processing, preparation, analysis, documentation, and reporting of results, and shall be responsible for following the analytical quality assurance and quality control requirements specified in the SAP. This task order anticipates that laboratory analysis will be performed for those samples identified in the SAP as Phase 1, and for a limited number of subsequent samples to be identified upon review of Phase 1 results and as requested by the MSRP Program Manager.

Activity 6. Scientific Review Boards

Restoration of natural resources will require planning, data collection, feasibility studies, monitoring, and other work of a specialized nature. To ensure that this work is appropriate, effective, and meets high standards of scientific quality, the Trustees have convened and will continue to convene scientific review boards (SRB) as needed. These SRBs shall be comprised of people from government and the private sector with notable expertise in the appropriate areas of knowledge.

The SRBs shall be called together at various stages in the development of MSRP projects to provide critical analysis and recommendations to the MSRP. During the period of performance for this task order, it is anticipated that one SRB will be retained: a Fish Contamination SRB to guide the implementation and documentation of a comprehensive plan for evaluating chemical contamination of coastal sports fish.

The Fish Contamination SRB was initially retained under a prior task order for the design and development of the sampling and analysis plan. Under this task order, members of the same SRB will be again retained for technical support and review during the implementation of the fish sampling and analysis effort. It is estimated that this SRB will

not actually meet as a group during the period of performance of this task order, but instead that consultations and reviews will be requested of individual members on occasion, up to a total of 100 professional hours.

Activity 7. Public Outreach and Education

The contractor shall provide support for a public outreach program to promote public involvement in the development of the draft Restoration Plan and to communicate with the public for the purposes of Trustee restoration activities.

The specific tasks and deliverables under this activity will include:

- a) Development of specific outreach and educational materials (e.g. fact sheets, flyers, posters, multi-media presentations or other). The contractor's proposal will describe how preparation, review by Trustees, pilot testing, and final production and distribution will be performed. This sub-activity will include developing and testing of specialized multi-lingual materials for messages targeted at specific constituents and sub-population groups. The subcontractor will be responsible for reproduction and distribution of the products once the Trustees approve them. Up to four separate products shall be developed and distributed during the period of performance. All telecommunication, video and multi-media products shall comport with 36 CFR 1194.23 and 1194.24.
- b) Periodic development of draft press releases, public service announcements and pitch stories, and distribution of these products.
- c) Test marketing to targeted audiences of a prototype product (comic book) that has already been developed to educate the public about contaminated fish consumption and improving fishing opportunities.
- d) Provide periodic translation services for public meetings, one-on-one public surveys, and for selected written materials. Assume translation services obtained for limited, discreet occasions, up to three languages.

Deliverables and Schedule

SOW REF	DESCRIPTION OF DELIVERABLE	DATE REQUIRED	COPY NUMBER & DISTRIBUTION
Activity 1	Submission of Work Plan and Budget	July 31, 2002	Original to the C.O. One copy – COTR One Copy- TOM

Activity 2	Review/Comment on PRP and EPA Materials	As Requested by the TOM	1 Original – Task Order Manager 1 Camera Ready (Unbound) Original – Contract Specialist
Activity 3	Submit QA/QC reports and recommendations	As requested	1 Original – Task Order Manager 1 Camera Ready (Unbound) Original – Contract Specialist
Activity 4	Provide Draft Combined SAP	July 23, 2002	1 Original – Task Order Manager 1 Copy Original – Contract Specialist
	Provide Final Combined SAP	August 1, 2002	1 Original – Task Order Manager 1 Camera Ready (Unbound) Original – Contract Specialist 1 Properly Formatted Disk (for final reports) – Contract Specialist
	Commence Fish Collection Field Work	August 22, 2002	N/A
	Prepare Draft Report Summarizing	30 days after completion of field work	1 Original – Task Order Manager 1 Copy Original – Contract Specialist
	Submit Final Report	30 days after receipt of comments from reviewers	1 Original – Task Order Manager 1 Camera Ready (Unbound) Original – Contract Specialist 1 Properly Formatted Disk (for final reports) – Contract Specialist
Activity 5	Completion of Laboratory Analytical Work	December 31, 2002	1 Original – Task Order Manager 1 Camera Ready (Unbound) Original – Contract Specialist 1 Properly Formatted Disk (for final reports) – Contract Specialist
Activity 6	Review Board Analysis	As required	As requested
Activity 7	Provide services as requested		As requested

Deliverables shall be accompanied by a deliverable cover sheet.

ATTACHMENT 1

CONTRACT NO. 50-DGNC-2-90008

TASK ORDER NO. T0 004

(Statement of Work Titled
"Montrose Fish Collection Analysis and "
Case management dated July 10, 2002)

NOAA DAMAGE ASSESSMENT CENTER
TASK ORDER STATEMENT OF WORK COVER SHEET

NOAA CONTRACT NO.: 50-DGNC-2-90008

CONTRACTOR: INDUSTRIAL ECONOMICS, INC (IEC)

TASK ORDER NO: T0 004

REQUISITION NO: NC-NR3000-2-00134

ACCOUNTING CLASSIFICATION: 2/NR3000/8K3EBR1

TASK ORDER

TITLE: Montrose Fish Collection Analysis and Case Management

SITE/CASE DESIGNATION: Southern California Restoration Implementation - 8K3EBR1

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CONTRACTING OFFICER:

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**CONTRACTING OFFICER'S
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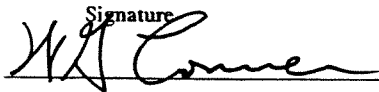
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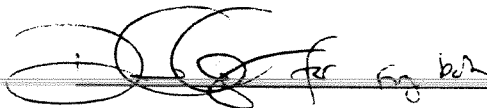
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Signature


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7/15/02

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3. Provide QA/QC oversight and coordinate with MSRP staff to ensure that all QA/QC requirements are met;

4. Provide to the MSRP Program Manager a complete list and complete documentation on all samples collected, including documentation of deviations from the specific provisions of the SAP if any;
5. Arrange for equipment and facilities to freeze, transport, and store fish samples in accordance with the provisions of the SAP, and ensure that these arrangements meet the requirements of the QA/QC plan.
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The contractor shall prepare a draft and final report documenting the fish collection efforts and the results.

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The SRBs shall be called together at various stages in the development of MSRP projects to provide critical analysis and recommendations to the MSRP. During the period of performance for this task order, it is anticipated that one SRB will be retained: a Fish Contamination SRB to guide the implementation and documentation of a comprehensive plan for evaluating chemical contamination of coastal sports fish.

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not actually meet as a group during the period of performance of this task order, but instead that consultations and reviews will be requested of individual members on occasion, up to a total of 100 professional hours.

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The specific tasks and deliverables under this activity will include:

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- b) Periodic development of draft press releases, public service announcements and pitch stories, and distribution of these products.
- c) Test marketing to targeted audiences of a prototype product (comic book) that has already been developed to educate the public about contaminated fish consumption and improving fishing opportunities.
- d) Provide periodic translation services for public meetings, one-on-one public surveys, and for selected written materials. Assume translation services obtained for limited, discreet occasions, up to three languages.

Deliverables and Schedule

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Activity 4	Provide Draft Combined SAP	July 23, 2002	1 Original – Task Order Manager 1 Copy Original – Contract Specialist
	Provide Final Combined SAP	August 1, 2002	1 Original – Task Order Manager 1 Camera Ready (Unbound) Original – Contract Specialist 1 Properly Formatted Disk (for final reports) – Contract Specialist
	Commence Fish Collection Field Work	August 22, 2002	N/A
	Prepare Draft Report Summarizing	30 days after completion of field work	1 Original – Task Order Manager 1 Copy Original – Contract Specialist
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Activity 5	Completion of Laboratory Analytical Work	December 31, 2002	1 Original – Task Order Manager 1 Camera Ready (Unbound) Original – Contract Specialist 1 Properly Formatted Disk (for final reports) – Contract Specialist
Activity 6	Review Board Analysis	As required	As requested
Activity 7	Provide services as requested		As requested

Deliverables shall be accompanied by a deliverable cover sheet.

ATTACHMENT 1

CONTRACT NO. 50-DGNC-2-90007

TASK ORDER NO. TO 006

(Statement of Work Entitled "Montrose Settlements Restoration Program –
Angler Study" dated July 18, 2002 and Cover Sheet)

NOAA DAMAGE ASSESSMENT CENTER
TASK ORDER STATEMENT OF WORK COVER SHEET

NOAA CONTRACT NO.: 50-DGNC-2-90007

CONTRACTOR: STRATUS CONSULTING INC.)

TASK ORDER NO: T0 006

REQUISITION NO: NC-NR3000-2-00192

ACCOUNTING CLASSIFICATION: 2/NR3000/8K3EBR1

TASK ORDER

TITLE: Montrose Angler Study

SITE/CASE DESIGNATION: Southern California Restoration Implementation - 8K3EBR1

TOTAL LABOR HOURS: 3,179

PERIOD OF PERFORMANCE: From Effective Date through September 30, 2003

CONTRACTING OFFICER:

Robert E. Ransom (301) 713-0820 ext. 108
U.S. Department of Commerce, NOAA
Office of Finance and Administration
1305 East-West Highway, Station #7544
Silver Spring, MD 20910

CONTRACTING OFFICER'S
TECHNICAL REPRESENTATIVE:

William G. Conner, Chief, NOAA Damage Assessment
Center, (301) 713-3038 ext. 190
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Silver Spring, MD 20910

TASK ORDER MANAGER:

Greg Baker, MS-999 Tel: (650) 329-1048
U.S. Geological Survey
345 Middlefield Road
Menlo Park, CA 94025

APPROVALS

COTR:

Signature

Date:

7/25/02

TASK ORDER MANAGER:

Greg Baker

7/19/02

The effective date is shown as the Contracting Officer's signature on the SF30 unless otherwise specified.

STATEMENT OF WORK

MONTROSE SETTLEMENTS RESTORATION PROGRAM

Angler Study

July 18, 2002

BACKGROUND

From the late 1940s to the early 1970s, DDTs and PCBs were discharged into the ocean near Los Angeles. More than 100 tons of these persistent chemicals remain in the marine environment and continue to injure birds and impair fishing.

In 1990, the U.S. Department of Justice (DOJ) and the California Attorney General filed a lawsuit under the federal Superfund law on behalf of the Natural Resource Trustees (NOAA, U.S. Fish & Wildlife Service, National Park Service, California Department of Fish and Game, California Department of Parks and Recreation, and California State Lands Commission), alleging that a number of defendants were responsible for releasing DDTs and PCBs and other hazardous substances into the environment. The lawsuit charged that the DDTs and PCBs injured natural resources, including fish and wildlife that live in and around coastal waters in Southern California.

The state and federal governments settled the final remaining legal claims in 2000. A total of \$140 million in damages have been paid under four separate settlement agreements. The agreements provide that the Trustees may use approximately \$30 million of the settlement funds for restoration of natural resources harmed by releases of DDTs and PCBs off the coast of Southern California (U.S. EPA received a separate share of the overall settlement for remediation and institutional controls to reduce exposure to DDTs and PCBs).

The Trustees have initiated the restoration planning process. They set up and are staffing the Montrose Settlements Restoration Program (MSRP) to administer the restoration efforts. They issued a Public Scoping Document on the restoration planning process and publishing a Notice of Intent to prepare an Environmental Impact Statement in the Federal Register. Three public meetings were held and comments solicited from the public during the scoping period, which closed in November 2001.

Recreational and Subsistence Fishing

One of the objectives of the Montrose Settlements Restoration Program is to develop restoration projects that compensate for injuries to recreational and subsistence fishing resulting from the contamination of fish with DDTs and PCBs. Several studies have been conducted on recreational fishing practices in Southern California. The Marine Recreational Fisheries Statistics Survey (MRFSS) is used to develop the Recreational Fishing Information Network (RecFIN) and is administered in Southern California by the Pacific States Marine Fisheries Council. The Santa Monica Bay Seafood Consumption Study was conducted in the early 1990s to develop information on human

exposures to contaminants in fish.

The Trustees and EPA have determined that they need to gain a better current understanding of who are the recreational and subsistence anglers being impacted by contamination from the Montrose case DDT and PCB releases, how they are being impacted, and how best to reach them with relevant messages. The Trustees, in conjunction with EPA, have thus decided to conduct a new study to further assess and update information on recreational and subsistence angling in Southern California coastal waters. The purpose of the study is to gather qualitative information on fishing and fish consumption practices from people who fish, for recreation and subsistence, in coastal waters from Point Dume to Dana Point in Los Angeles and Orange Counties. The Trustees and EPA want to fill specific information gaps that have not been the focus of other recreational fishing studies thus far. Qualitative information is needed for the following purposes:

1. To help guide the development of more effective public outreach and education programs intended to reduce public exposure to DDT and PCBs from fish. Information gathered from the angler survey may be used to:
 - improve the targeting of outreach programs to ensure that they reach audiences who fish for and consume fish that may be more highly contaminated with DDT and PCBs;
 - identify communication methods and languages that are more likely to effectively reach these audiences, based on their identified preferences for obtaining information, and their current awareness of fishing advisories and how they obtained that current awareness;
 - improve the effectiveness of our outreach messages about reducing contaminant exposure, through improved understanding of peoples' catch preferences, the parts of the fish they consume, and the different ways they prepare the fish for eating.
2. To gain insights on fishing preferences (types of fish and locations) that may assist the Trustees in planning restoration projects to increase the availability of acceptable opportunities to fish for cleaner fish.

The Trustees are closely coordinating restoration planning and implementation with EPA's remediation and institutional controls efforts, and combining efforts wherever it may reduce costs and improve the effectiveness of both programs. The angler study in this Task Order is an activity that the Trustees and EPA are performing as a combined effort. Thus, EPA will be an integral partner with NOAA and the Trustees in this effort.

Objectives of this Task Order

The primary objective of this task order is to implement a study of recreational and subsistence anglers who fish in Southern California coastal waters. The Trustees and EPA wish to collect information from anglers that would help in developing effective, well targeted public outreach and education programs, as well as providing information

that would help guide development of restoration alternatives for compensating anglers for DDT and PCB related impacts on recreational and subsistence angling. In addition, the Trustees and EPA intend to directly involve and take advantage of the resources of certain outside organizations in the implementation of the angler study, as described further under Activity 2.

Standards of Performance

The performance of work under this agreement will support natural resource restoration planning and implementation actions being conducted in accordance with the requirements of CERCLA, NEPA, CEQA, and other applicable federal and state environmental laws, regulations, orders, and policies. Work conducted may be open to critical review by the public and the mass media. Accordingly, all work must meet the highest standards of professional performance and technical rigor. Qualified and experienced professionals shall be utilized to design and perform the services outlined herein. Absolute objectivity must be maintained to ensure that reliable and valid conclusions are reached. Work products, guidance and recommendations, must be clearly documented and supported with relevant technical standards, methods and procedures.

Scope of Services

The Contractor shall perform the activities described below. All work shall be performed under the direction of NOAA, and in close coordination with the MSRP Program Manager and the partner organizations identified.

Activity 1: Angler Study

The contractor shall plan, organize, manage, and administer an angler study to meet the objectives stated above, including identification of locations, times, and methods, obtaining and training survey personnel, assessing and addressing likely language barriers, obtaining other needed services, preparation of the survey forms other materials, and purchase of supplies needed for the study, and creation of a database for entry and analysis of the study responses.

A committee of Trustee, EPA, and other knowledgeable participants has drafted a specific set of questions to be used in the study. The questions are being reviewed by NOAA management to assure that they comply with all applicable government requirements. The Trustees estimate that the study instrument will consist of twelve or fewer questions requiring ten minutes or less to administer to each respondent. A draft list of questions is attached to this SOW as Exhibit A.

The study questions will have been field tested prior to initiation of the full study (the field test is being performed under a previous task order and is thus outside the scope of this task order). In addition the questions themselves, the initial field test is being directed at identifying foreign language skills likely to be needed in some locations

during the full study. The results of the field test, including information on suggested language translation needs and locations, will be provided to the contractor on or around June 30, 2002. The contractor's work plan should present an approach for administering the study in a manner that maximizes the ability to obtain answers from non-English speakers in a cost-effective fashion, assuming as many as five other languages may be encountered. (It may be possible to identify and obtain translation assistance from certain community organizations in the trustees' contact list.)

The Task Order Manager will also provide the contractor an electronic spreadsheet file (Exhibit B) containing a list of the locations in Los Angeles and Orange Counties where the Pacific States Marine Fisheries Commission administers the RecFIN study. This file may be useful as an initial universe of potential sites for administering the angler study. Working with the MSRP Project Manager, the contractor shall propose specific sites where the angler study is to be administered, so that sufficient coverage is obtained to assure that as many segments of the fishing public are sampled through the study as possible.

For the purposes of scoping the level of effort and costs under this activity, the contractor may assume that the study will be administered over a period of approximately three months, in up to 50 locations consisting of a mix of public fishing piers, beaches, man-made structures, boat ramps, marinas, and private fishing party boat disembarkation sites. The total number of people to whom the study will be administered has not been determined. Thus the contractor should recommend a target for the total number of people to be surveyed, and provide in Section II of the work plan an estimated total cost based on that target, and in addition supply in Section II an estimated unit cost for each questionnaire to be administered, or cost per unit time of field effort.

The Contractor shall also incorporate into their plans for the study the utilization of staff from agencies and organizations which have indicated to the Trustees and EPA a desire to be actively involved in the study. The following list of agencies and organizations have requested direct involvement/ participation in the angler study:

Agency or Organization	Point of Contact	Phone	Nature of Services to be Provided
Santa Monica Bay Restoration Project	Guang Su Wang	To Be Provided	Provide personnel to administer study at Cabrillo Pier
Heal the Bay	Mark Gold	To Be Provided	Provide personnel to administer study at locations to be specified
Cabrillo Aquarium	TBD	To Be Provided	Provide personnel to administer study at locations to be specified
SEA Lab	TBD	To Be Provided	Provide personnel to administer study at locations to be specified
Los Angeles Conservation Corps	TBD	To Be Provided	Provide personnel to administer study at locations to be specified

The contractor shall deliver the results of the angler study as an electronic database and a summary report. The electronic database provided should be of a nature that will allow

Trustees and EPA to further manipulate the data results on their own in the future. The work plan should propose how the contractor will design the database to facilitate data entry and analysis.

The Contractor will be responsible for delivering the final product by effectively managing the effort through their own resources while to the extent possible utilizing the resources of partner organizations listed above.

Deliverables and Schedule

Deliverable	Days from Award of Task Order
Activity 1.	
Progress report/ checklist of preparations to initiate the field effort	20 days
Initiate field effort	45 days
Conclude field effort	135 days
Data analysis and draft report	165 days
Final report and database	210 days

ATTACHMENT 1

CONTRACT NO. 50-DGNC-2-90008

TASK ORDER NO. T0 004

(Statement of Work Titled
"Montrose Fish Collection Analysis and "
Case management dated July 10, 2002)

NOAA DAMAGE ASSESSMENT CENTER
TASK ORDER STATEMENT OF WORK COVER SHEET

NOAA CONTRACT NO.: 50-DGNC-2-90008

CONTRACTOR: INDUSTRIAL ECONOMICS, INC (IEC)

TASK ORDER NO: TO 004

REQUISITION NO: NC-NR3000-2-00134

ACCOUNTING CLASSIFICATION: 2/NR3000/8K3EBR1

TASK ORDER

TITLE: Montrose Fish Collection Analysis and Case Management

SITE/CASE DESIGNATION: Southern California Restoration Implementation - 8K3EBR1

TOTAL LABOR HOURS: 5,004

PERIOD OF PERFORMANCE: From Effective Date through June 30, 2003

CONTRACTING OFFICER:

Robert E. Ransom (301) 713-0820 ext. 108
U.S. Department of Commerce, NOAA
Office of Finance and Administration
1305 East-West Highway, Station #7544
Silver Spring, MD 20910

CONTRACTING OFFICER'S
TECHNICAL REPRESENTATIVE:

William G. Conner, Chief, NOAA Damage Assessment
Center, (301) 713-3038 ext. 190
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TASK ORDER MANAGER:

Greg Baker, MS-999 Tel: (650) 329-1048
U.S. Geological Survey
345 Middlefield Road
Menlo Park, CA 94025

APPROVALS

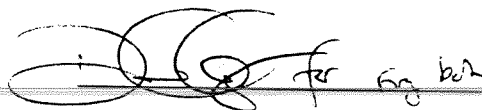
COTR:

Signature


Date

7/15/02

TASK ORDER MANAGER:



7/15/02

The effective date is shown as the Contracting Officer's signature on the SF30 unless otherwise specified.

STATEMENT OF WORK

MONTROSE SETTLEMENTS RESTORATION PROGRAM Fish Collection and Analysis and Case Management Activities

7/10/02

Background

From the late 1940s to the early 1970s, DDTs and PCBs were discharged into the ocean near Los Angeles. More than 100 tons of these persistent chemicals remain in the marine environment and continue to injure birds and impair fishing.

In 1990, the U.S. Department of Justice (DOJ) and the California Attorney General filed a lawsuit under the federal Superfund law on behalf of the Natural Resource Trustees (NOAA, U.S. Fish & Wildlife Service, National Park Service, California Department of Fish and Game, California Department of Parks and Recreation, and California State Lands Commission), alleging that a number of defendants were responsible for releasing DDTs and PCBs and other hazardous substances into the environment. The lawsuit charged that the DDTs and PCBs injured natural resources, including fish and wildlife that live in and around coastal waters in Southern California.

The state and federal governments settled the final remaining legal claims in 2000. A total of \$140 million in damages have been paid under four separate settlement agreements. The agreements provide that the Trustees may use approximately \$30 million of the settlement funds for restoration of natural resources harmed by releases of DDTs and PCBs off the coast of Southern California (U.S. EPA received a separate share of the overall settlement for remediation and institutional controls to reduce exposure to DDTs and PCBs).

The Trustees have initiated the restoration planning process. They set up and are staffing the Montrose Settlements Restoration Program (MSRP) to administer the restoration efforts. They issued a Public Scoping Document on the restoration planning process and publishing a Notice of Intent to prepare an Environmental Impact Statement in the Federal Register. Three public meetings were held and comments solicited from the public during the scoping period, which closed in November 2001.

Objectives of this Task Order

All tasks will be performed under the direction of NOAA in close consultation with the co-Trustees. The overall scope and objectives of this task order are to provide strategic support and proactively advise, facilitate, and respond to requests for actions by the Trustee Council and Program Manager for the Montrose Settlements Restoration Program. More specifically:

1. Plan, initiate, facilitate, coordinate, and manage technical and administrative activities that support restoration planning (including the planning and oversight of field

studies, analytical services, public involvement and outreach, reporting, meetings, and other functions as necessary);

2. Execute specific activities that support restoration planning efforts, including the implementation of a Sampling and Analysis Plan for assessing contamination in marine fish in Southern California and public outreach and education programs, products, and services;
3. Identify, retain, and manage Scientific Review Boards to provide external ad hoc expertise in support of the Montrose restoration efforts.

Standards of Performance

The performance of work under this agreement will support natural resource restoration planning and implementation actions being conducted in accordance with the requirements of CERCLA, NEPA, CEQA, and other applicable federal and state environmental laws, regulations, orders, and policies. Work conducted may be open to critical review by the public and the mass media. Accordingly, all work must meet the highest standards of professional performance and technical rigor. Qualified and experienced professionals shall be utilized to design and perform the services outlined herein. Absolute objectivity must be maintained to ensure that reliable and valid conclusions are reached. Work products, guidance and recommendations, must be clearly documented and supported with relevant technical standards, methods and procedures.

Scope of Services

The Contractor shall perform the activities described below. All work shall be performed under the direction of NOAA, and in close coordination with the MSRP Program Manager and the partner organizations identified.

Activity 1: Preparation of the Task Order Work Plan

The contractor shall commence work immediately to prepare and submit a work plan relative to the scope of work and activities set forth herein. In addition to describing the management and technical approach for all of the activities in this Statement of Work, the submittal will include a proposal/ set of proposals from companies or organizations capable of performing the QA/QC requirements of Activity 3 and capable of managing and conducting the fish collection work described under Activity 4.

The work plan shall be divided into two sections. Section I of the work plan shall include a cover page reflecting the proposed staffing plan, key personnel and schedule of deliverables followed by a concise narrative/description of the planned technical and management approach. Section I should not exceed fifteen pages plus the cover page (staffing plan), and proposals for management and implementation of Activity 4 should be provided as attachments to the Contractor's work plan.

Section II of the work plan shall not be attached to Section I. Section II of the work plan shall include a detailed cost estimate for completing the requirements of this Statement of Work. At a minimum, all cost information shall include a clear breakdown of each element of cost (direct and indirect costs, subcontract/consultant costs and fee).

Finally, the cover letter accompanying the work plan shall address any real or apparent conflicts of interest. Three copies of this work plan shall be submitted within twenty-one (21) days after the effective date of this Task Order.

Section I of the contractor's work plan shall identify prospective subcontractors including their qualifications. The contractor shall pre-screen these subcontractors for availability and potential conflicts of interest. If appropriate subcontractors are not identifiable prior to the submission of the work plan, then a reasonable and realistic budget should be included in Section II along with some explanation of the prospective sources and considerations that will be given toward their identification.

Activity 2. Case Management Support

As requested by the MSRP Program Manager, the contractor shall organize, coordinate, schedule, assign and oversee implementation, and disseminate information among subcontractors, MSRP staff and Trustee Council members, and other parties engaged in restoration planning activities. The contractor shall assist with strategic planning activities and provide administrative support and assistance in the development of documents and maintenance of the administrative record. Work under this activity is limited to those general management responsibilities not directly related to oversight and implementation of Activities 3-7, direct management of which should be included under each respective Activity. The contractor shall recommend in its proposal an approach to meet these objectives.

It is estimated that the Contractor will, under this Activity, be requested to participate in periodic conference calls (on average one per month), and occasional meetings in Southern California (estimated two per year).

Activity 3. Quality Assurance and Quality Control

To ensure that all studies proceed with appropriate quality assurance oversight, the contractor shall ensure that all data generated or otherwise acquired under this task order are of known and usable quality. To that end, the contractor shall be responsible for the following efforts:

Program Quality Assurance Coordination. The Contractor shall ensure that all field and laboratory work follow the requirements of the SAP. The QA coordinator shall also be responsible for coordinating and working closely with the laboratory that is providing chemical analyses to ensure that they follow the Analytical QA Plan.

Quality Assurance Oversight. The QA Coordinator will assist Trustee and EPA staff in resolving any potential areas of concern identified during the oversight and review; conduct technical assessments at each facility generating data; and participate in or conduct field training or audits of sample collection procedures.

Quality Assessment and Data Validation. As requested, the QA coordinator shall verify and validate analytical data generated during the Montrose fish sampling study. The assessment shall meet the standards set by the SAP. The contractor shall be prepared to conduct validation efforts in real time so corrective actions can be taken if warranted. The QA coordinator shall review each final report to ensure that the reports accurately describe and report the methods, standard operating procedures, and underlying data. This shall include preparation of a data validation report that documents the quality of the data.

The contractor shall be responsible for ensuring the effectiveness of the quality assurance program by ensuring that the QA work meets the standards set forth in the SAP. In its work plan, the contractor shall describe how it intends to fulfill the requirements for this activity.

Activity 4. Fish Collection and Preservation, and Preparation of Report

The Contractor shall: (1) combine the June 2002 MSRP Fish Sampling and Analysis Plan (Exhibit 1) and the EPA Fish-in-Ocean Sampling and Analysis Plan (to be provided), and (2) implement the fish collection and sample preservation provisions of the combined EPA/MSRP Fish Sampling and Analysis Plan (SAP) including all QA/QC procedures, documentation, and oversight. (Note: the laboratory analysis provisions of the SAP are covered separately under Activity 5).

The Contractor shall also provide the following:

1. Combine the June MSRP Fish Sampling and Analysis Plan and the EPA Fish-in-Ocean Sampling Plan into one plan for the purpose of implementation. Products presenting the data from this combined sampling plan should be organized to reflect, to the maximum extent practicable, the goals of each sampling plan such that it is clear which items are solely from the MSRP Fish Sampling and Analysis Plan, which respond to elements solely found within the EPA Fish-in Ocean sampling plan, and which represent data needs shared by both programs.
2. Collect targeted fish species, sizes, and numbers from identified locations as specified in the SAP, and coordinate with appropriate MSRP staff to ensure that fish collection activities meet the requirements of the SAP, and that any deviations from the SAP are pre-approved;
3. Provide QA/QC oversight and coordinate with MSRP staff to ensure that all QA/QC requirements are met;

4. Provide to the MSRP Program Manager a complete list and complete documentation on all samples collected, including documentation of deviations from the specific provisions of the SAP if any;
5. Arrange for equipment and facilities to freeze, transport, and store fish samples in accordance with the provisions of the SAP, and ensure that these arrangements meet the requirements of the QA/QC plan.
6. Ensure that samples are labeled, frozen, transported, and stored in accordance with agreed upon procedures and arrangements, and ensure that Standard Operating Procedures, QA/QC, and chain of custody protocols are followed and documented.

The contractor shall prepare a draft and final report documenting the fish collection efforts and the results.

Activity 5. Laboratory Analysis of Fish Samples

The Contractor shall retain a qualified laboratory to conduct chemical analysis of the fish samples collected and preserved under Activity 4. The Contractor shall be responsible for all sample tracking, processing, preparation, analysis, documentation, and reporting of results, and shall be responsible for following the analytical quality assurance and quality control requirements specified in the SAP. This task order anticipates that laboratory analysis will be performed for those samples identified in the SAP as Phase 1, and for a limited number of subsequent samples to be identified upon review of Phase 1 results and as requested by the MSRP Program Manager.

Activity 6. Scientific Review Boards

Restoration of natural resources will require planning, data collection, feasibility studies, monitoring, and other work of a specialized nature. To ensure that this work is appropriate, effective, and meets high standards of scientific quality, the Trustees have convened and will continue to convene scientific review boards (SRB) as needed. These SRBs shall be comprised of people from government and the private sector with notable expertise in the appropriate areas of knowledge.

The SRBs shall be called together at various stages in the development of MSRP projects to provide critical analysis and recommendations to the MSRP. During the period of performance for this task order, it is anticipated that one SRB will be retained: a Fish Contamination SRB to guide the implementation and documentation of a comprehensive plan for evaluating chemical contamination of coastal sports fish.

The Fish Contamination SRB was initially retained under a prior task order for the design and development of the sampling and analysis plan. Under this task order, members of the same SRB will be again retained for technical support and review during the implementation of the fish sampling and analysis effort. It is estimated that this SRB will

not actually meet as a group during the period of performance of this task order, but instead that consultations and reviews will be requested of individual members on occasion, up to a total of 100 professional hours.

Activity 7. Public Outreach and Education

The contractor shall provide support for a public outreach program to promote public involvement in the development of the draft Restoration Plan and to communicate with the public for the purposes of Trustee restoration activities.

The specific tasks and deliverables under this activity will include:

- a) Development of specific outreach and educational materials (e.g. fact sheets, flyers, posters, multi-media presentations or other). The contractor's proposal will describe how preparation, review by Trustees, pilot testing, and final production and distribution will be performed. This sub-activity will include developing and testing of specialized multi-lingual materials for messages targeted at specific constituents and sub-population groups. The subcontractor will be responsible for reproduction and distribution of the products once the Trustees approve them. Up to four separate products shall be developed and distributed during the period of performance. All telecommunication, video and multi-media products shall comport with 36 CFR 1194.23 and 1194.24.
- b) Periodic development of draft press releases, public service announcements and pitch stories, and distribution of these products.
- c) Test marketing to targeted audiences of a prototype product (comic book) that has already been developed to educate the public about contaminated fish consumption and improving fishing opportunities.
- d) Provide periodic translation services for public meetings, one-on-one public surveys, and for selected written materials. Assume translation services obtained for limited, discreet occasions, up to three languages.

Deliverables and Schedule

SOW REF	DESCRIPTION OF DELIVERABLE	DATE REQUIRED	COPY NUMBER & DISTRIBUTION
Activity 1	Submission of Work Plan and Budget	July 31, 2002	Original to the C.O. One copy – COTR One Copy- TOM

Activity 2	Review/Comment on PRP and EPA Materials	As Requested by the TOM	1 Original – Task Order Manager 1 Camera Ready (Unbound) Original – Contract Specialist
Activity 3	Submit QA/QC reports and recommendations	As requested	1 Original – Task Order Manager 1 Camera Ready (Unbound) Original – Contract Specialist
Activity 4	Provide Draft Combined SAP	July 23, 2002	1 Original – Task Order Manager 1 Copy Original – Contract Specialist
	Provide Final Combined SAP	August 1, 2002	1 Original – Task Order Manager 1 Camera Ready (Unbound) Original – Contract Specialist 1 Properly Formatted Disk (for final reports) – Contract Specialist
	Commence Fish Collection Field Work	August 22, 2002	N/A
	Prepare Draft Report Summarizing	30 days after completion of field work	1 Original – Task Order Manager 1 Copy Original – Contract Specialist
	Submit Final Report	30 days after receipt of comments from reviewers	1 Original – Task Order Manager 1 Camera Ready (Unbound) Original – Contract Specialist 1 Properly Formatted Disk (for final reports) – Contract Specialist
Activity 5	Completion of Laboratory Analytical Work	December 31, 2002	1 Original – Task Order Manager 1 Camera Ready (Unbound) Original – Contract Specialist 1 Properly Formatted Disk (for final reports) – Contract Specialist
Activity 6	Review Board Analysis	As required	As requested
Activity 7	Provide services as requested		As requested

Deliverables shall be accompanied by a deliverable cover sheet.

ATTACHMENT 1

CONTRACT NO. 50-DGNC-2-90007

TASK ORDER NO. TO 006

(Statement of Work Entitled "Montrose Settlements Restoration Program –
Angler Study" dated July 18, 2002 and Cover Sheet)

NOAA DAMAGE ASSESSMENT CENTER
TASK ORDER STATEMENT OF WORK COVER SHEET

NOAA CONTRACT NO.: 50-DGNC-2-90007

CONTRACTOR: STRATUS CONSULTING INC.)

TASK ORDER NO: T0 006

REQUISITION NO: NC-NR3000-2-00192

ACCOUNTING CLASSIFICATION: 2/NR3000/8K3EBR1

TASK ORDER

TITLE: Montrose Angler Study

SITE/CASE DESIGNATION: Southern California Restoration Implementation - 8K3EBR1

TOTAL LABOR HOURS: 3,179

PERIOD OF PERFORMANCE: From Effective Date through September 30, 2003

CONTRACTING OFFICER:

Robert E. Ransom (301) 713-0820 ext. 108
U.S. Department of Commerce, NOAA
Office of Finance and Administration
1305 East-West Highway, Station #7544
Silver Spring, MD 20910

CONTRACTING OFFICER'S
TECHNICAL REPRESENTATIVE:

William G. Conner, Chief, NOAA Damage Assessment
Center, (301) 713-3038 ext. 190
U.S. Department of Commerce
National Ocean Service, ORCAx1
1305 East-West Highway, Station #10218
Silver Spring, MD 20910

TASK ORDER MANAGER:

Greg Baker, MS-999 Tel: (650) 329-1048
U.S. Geological Survey
345 Middlefield Road
Menlo Park, CA 94025

APPROVALS

COTR:

Signature

Date

7/19/02

TASK ORDER MANAGER:

Greg Baker

7/19/02

The effective date is shown as the Contracting Officer's signature on the SF30 unless otherwise specified.

STATEMENT OF WORK

MONTROSE SETTLEMENTS RESTORATION PROGRAM

Angler Study

July 18, 2002

BACKGROUND

From the late 1940s to the early 1970s, DDTs and PCBs were discharged into the ocean near Los Angeles. More than 100 tons of these persistent chemicals remain in the marine environment and continue to injure birds and impair fishing.

In 1990, the U.S. Department of Justice (DOJ) and the California Attorney General filed a lawsuit under the federal Superfund law on behalf of the Natural Resource Trustees (NOAA, U.S. Fish & Wildlife Service, National Park Service, California Department of Fish and Game, California Department of Parks and Recreation, and California State Lands Commission), alleging that a number of defendants were responsible for releasing DDTs and PCBs and other hazardous substances into the environment. The lawsuit charged that the DDTs and PCBs injured natural resources, including fish and wildlife that live in and around coastal waters in Southern California.

The state and federal governments settled the final remaining legal claims in 2000. A total of \$140 million in damages have been paid under four separate settlement agreements. The agreements provide that the Trustees may use approximately \$30 million of the settlement funds for restoration of natural resources harmed by releases of DDTs and PCBs off the coast of Southern California (U.S. EPA received a separate share of the overall settlement for remediation and institutional controls to reduce exposure to DDTs and PCBs).

The Trustees have initiated the restoration planning process. They set up and are staffing the Montrose Settlements Restoration Program (MSRP) to administer the restoration efforts. They issued a Public Scoping Document on the restoration planning process and publishing a Notice of Intent to prepare an Environmental Impact Statement in the Federal Register. Three public meetings were held and comments solicited from the public during the scoping period, which closed in November 2001.

Recreational and Subsistence Fishing

One of the objectives of the Montrose Settlements Restoration Program is to develop restoration projects that compensate for injuries to recreational and subsistence fishing resulting from the contamination of fish with DDTs and PCBs. Several studies have been conducted on recreational fishing practices in Southern California. The Marine Recreational Fisheries Statistics Survey (MRFSS) is used to develop the Recreational Fishing Information Network (RecFIN) and is administered in Southern California by the Pacific States Marine Fisheries Council. The Santa Monica Bay Seafood Consumption Study was conducted in the early 1990s to develop information on human

exposures to contaminants in fish.

The Trustees and EPA have determined that they need to gain a better current understanding of who are the recreational and subsistence anglers being impacted by contamination from the Montrose case DDT and PCB releases, how they are being impacted, and how best to reach them with relevant messages. The Trustees, in conjunction with EPA, have thus decided to conduct a new study to further assess and update information on recreational and subsistence angling in Southern California coastal waters. The purpose of the study is to gather qualitative information on fishing and fish consumption practices from people who fish, for recreation and subsistence, in coastal waters from Point Dume to Dana Point in Los Angeles and Orange Counties. The Trustees and EPA want to fill specific information gaps that have not been the focus of other recreational fishing studies thus far. Qualitative information is needed for the following purposes:

1. To help guide the development of more effective public outreach and education programs intended to reduce public exposure to DDT and PCBs from fish. Information gathered from the angler survey may be used to:
 - improve the targeting of outreach programs to ensure that they reach audiences who fish for and consume fish that may be more highly contaminated with DDT and PCBs;
 - identify communication methods and languages that are more likely to effectively reach these audiences, based on their identified preferences for obtaining information, and their current awareness of fishing advisories and how they obtained that current awareness;
 - improve the effectiveness of our outreach messages about reducing contaminant exposure, through improved understanding of peoples' catch preferences, the parts of the fish they consume, and the different ways they prepare the fish for eating.
2. To gain insights on fishing preferences (types of fish and locations) that may assist the Trustees in planning restoration projects to increase the availability of acceptable opportunities to fish for cleaner fish.

The Trustees are closely coordinating restoration planning and implementation with EPA's remediation and institutional controls efforts, and combining efforts wherever it may reduce costs and improve the effectiveness of both programs. The angler study in this Task Order is an activity that the Trustees and EPA are performing as a combined effort. Thus, EPA will be an integral partner with NOAA and the Trustees in this effort.

Objectives of this Task Order

The primary objective of this task order is to implement a study of recreational and subsistence anglers who fish in Southern California coastal waters. The Trustees and EPA wish to collect information from anglers that would help in developing effective, well targeted public outreach and education programs, as well as providing information

that would help guide development of restoration alternatives for compensating anglers for DDT and PCB related impacts on recreational and subsistence angling. In addition, the Trustees and EPA intend to directly involve and take advantage of the resources of certain outside organizations in the implementation of the angler study, as described further under Activity 2.

Standards of Performance

The performance of work under this agreement will support natural resource restoration planning and implementation actions being conducted in accordance with the requirements of CERCLA, NEPA, CEQA, and other applicable federal and state environmental laws, regulations, orders, and policies. Work conducted may be open to critical review by the public and the mass media. Accordingly, all work must meet the highest standards of professional performance and technical rigor. Qualified and experienced professionals shall be utilized to design and perform the services outlined herein. Absolute objectivity must be maintained to ensure that reliable and valid conclusions are reached. Work products, guidance and recommendations, must be clearly documented and supported with relevant technical standards, methods and procedures.

Scope of Services

The Contractor shall perform the activities described below. All work shall be performed under the direction of NOAA, and in close coordination with the MSRP Program Manager and the partner organizations identified.

Activity 1: Angler Study

The contractor shall plan, organize, manage, and administer an angler study to meet the objectives stated above, including identification of locations, times, and methods, obtaining and training survey personnel, assessing and addressing likely language barriers, obtaining other needed services, preparation of the survey forms other materials, and purchase of supplies needed for the study, and creation of a database for entry and analysis of the study responses.

A committee of Trustee, EPA, and other knowledgeable participants has drafted a specific set of questions to be used in the study. The questions are being reviewed by NOAA management to assure that they comply with all applicable government requirements. The Trustees estimate that the study instrument will consist of twelve or fewer questions requiring ten minutes or less to administer to each respondent. A draft list of questions is attached to this SOW as Exhibit A.

The study questions will have been field tested prior to initiation of the full study (the field test is being performed under a previous task order and is thus outside the scope of this task order). In addition the questions themselves, the initial field test is being directed at identifying foreign language skills likely to be needed in some locations

during the full study. The results of the field test, including information on suggested language translation needs and locations, will be provided to the contractor on or around June 30, 2002. The contractor's work plan should present an approach for administering the study in a manner that maximizes the ability to obtain answers from non-English speakers in a cost-effective fashion, assuming as many as five other languages may be encountered. (It may be possible to identify and obtain translation assistance from certain community organizations in the trustees' contact list.)

The Task Order Manager will also provide the contractor an electronic spreadsheet file (Exhibit B) containing a list of the locations in Los Angeles and Orange Counties where the Pacific States Marine Fisheries Commission administers the RecFIN study. This file may be useful as an initial universe of potential sites for administering the angler study. Working with the MSRP Project Manager, the contractor shall propose specific sites where the angler study is to be administered, so that sufficient coverage is obtained to assure that as many segments of the fishing public are sampled through the study as possible.

For the purposes of scoping the level of effort and costs under this activity, the contractor may assume that the study will be administered over a period of approximately three months, in up to 50 locations consisting of a mix of public fishing piers, beaches, man-made structures, boat ramps, marinas, and private fishing party boat disembarkation sites. The total number of people to whom the study will be administered has not been determined. Thus the contractor should recommend a target for the total number of people to be surveyed, and provide in Section II of the work plan an estimated total cost based on that target, and in addition supply in Section II an estimated unit cost for each questionnaire to be administered, or cost per unit time of field effort.

The Contractor shall also incorporate into their plans for the study the utilization of staff from agencies and organizations which have indicated to the Trustees and EPA a desire to be actively involved in the study. The following list of agencies and organizations have requested direct involvement/ participation in the angler study:

Agency or Organization	Point of Contact	Phone	Nature of Services to be Provided
Santa Monica Bay Restoration Project	Guang Su Wang	To Be Provided	Provide personnel to administer study at Cabrillo Pier
Heal the Bay	Mark Gold	To Be Provided	Provide personnel to administer study at locations to be specified
Cabrillo Aquarium	TBD	To Be Provided	Provide personnel to administer study at locations to be specified
SEA Lab	TBD	To Be Provided	Provide personnel to administer study at locations to be specified
Los Angeles Conservation Corps	TBD	To Be Provided	Provide personnel to administer study at locations to be specified

The contractor shall deliver the results of the angler study as an electronic database and a summary report. The electronic database provided should be of a nature that will allow

Trustees and EPA to further manipulate the data results on their own in the future. The work plan should propose how the contractor will design the database to facilitate data entry and analysis.

The Contractor will be responsible for delivering the final product by effectively managing the effort through their own resources while to the extent possible utilizing the resources of partner organizations listed above.

Deliverables and Schedule

Deliverable	Days from Award of Task Order
Activity 1.	
Progress report/ checklist of preparations to initiate the field effort	20 days
Initiate field effort	45 days
Conclude field effort	135 days
Data analysis and draft report	165 days
Final report and database	210 days